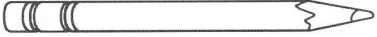
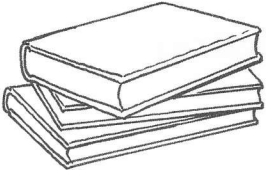


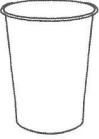
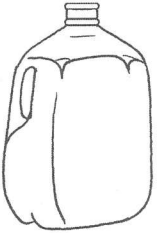
Circle your estimate for the mass of each object. Then measure. Complete the chart.

### 1 Mass of Objects

Object	Estimate	Measure
pencil 	5 grams 5 kilograms	
stack of books 	5 grams 5 kilograms	

Circle your estimate for the capacity of each object. Then measure. Complete the chart.

### 2 Capacity of Objects

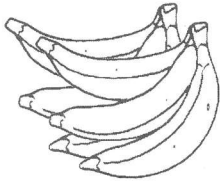
Object	Estimate	Measure
paper cup 	less than 1 liter more than 1 liter	
large bottle of milk 	less than 1 liter more than 1 liter	



Draw something that has a mass of about 1 kilogram.

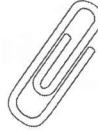
Circle the better estimate of the mass of each item pictured.

1

**bananas**

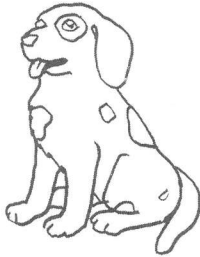
1 gram  
1 kilogram

2

**paper clip**

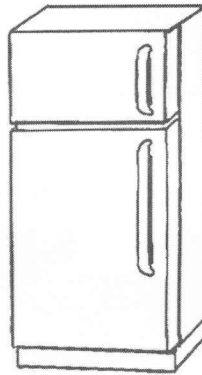
1 gram  
1 kilogram

3

**dog**

10 grams  
10 kilograms

4

**refrigerator**

200 grams  
200 kilograms

Circle the better estimate of the capacity of each item pictured.

5

**water bottle**

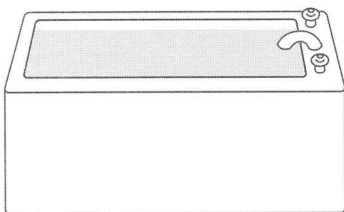
1 liter  
10 liters

6

**bird bath**

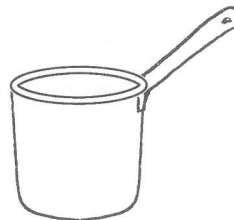
1 liter  
5 liters

7

**bath tub**

5 liters  
50 liters

8

**saucepan**

3 liters  
30 liters






Measure the mass of Item 2. Tell how you know your answer is reasonable.

Estimate the mass and capacity of each container. Then measure.

### 1 Mass

Object	Estimate	Measure
paper cup 		
large bottle 		
teaspoon 		

### 2 Capacity

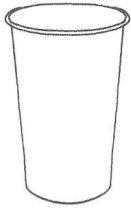
Object	Estimate More or less than a liter?	Measure More or less than a liter?
paper cup 		
large bottle 		
teaspoon 		



Tell something that has a capacity of about 1 liter.

How much will each container hold? Circle the better estimate.

1



**drinking glass**

more than a liter  
less than a liter

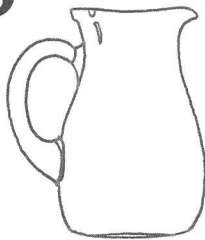
2



**soup can**

more than a liter  
less than a liter

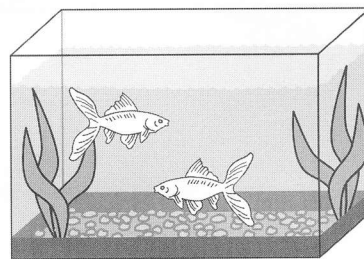
3



**pitcher**

3 liters  
30 liters

4



**fish tank**

2 liters  
20 liters

Circle the correct answer for each question.

- 5 Olivia has a bath tub full of water. About how much water is in the bath tub?

a) 40 grams  
b) 4 kilograms  
c) 4 liters  
d) 40 liters

- 6 Rex has toaster in his kitchen. What is the approximate mass of his toaster?

a) 10 grams  
b) 1 kilogram  
c) 1 liter  
d) 10 liters